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and

ROLLOWING

UTILITY PATENT APPLICATION TRANSMITTAL

First Inventor or Application Identifier

Title

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b),

APPLICATION ELEMENTS

Express Mail Label No.

Attorney Docket No.

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APPLICATION ELEMENTS: See MPEP chapter 600 concerning utility patent application contents.	ADDRESS TO: Box Patent Application Washington, DC 20231
* Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) Specification [Total Pages] (preferred arrangement set forth below) Descriptive title of the Invention - Cross References to Related Applications - Statement Regarding Fed sponsored R & D - Reference to Microfiche Appendix	5. Microfiche Computer Program (Appendix) 6. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Readable Copy b. Paper Copy (identical to computer copy) c. Statement verifying identity of above copies
Background of the Invention	ACCOMPANYING APPLICATION PARTS
Brief Summary of the Invention Brief Description of the Drawings (if filed)	7. Assignment Papers (cover sheet & document(s))
- Detailed Description	8. 37 C.F.R.§3.73(b) Statement Power of Attorney
- Claim(s)	9. English Translation Document (if applicable)
- Abstract of the Disclosure 3. Drawing(s) (35 U.S.C. 113) [Total Sheets]	10. Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations
4. Oath or Declaration [Total Pages]	11. Preliminary Amendment
a. Newly executed (original or copy)	12. Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
b. Copy from a prior application (37 C.F.R. § 1.63 (for continuation/divisional with Box 16 completed) DELETION OF INVENTOR(S)	13. Statement(s) Status still proper and desired
Signed statement attached deleting inventor(s) named in the prior application	Certified Copy of Priority Document(s)

16. If a COI	NTINUING APPLICATION, <i>check a</i> j	opropriate box, and supply	' the requisite informati	ion delow and in	а ргентнагу ателитет.	
□ 00	ontinuation Divisional C	entinuation-in-part (CIP)	of prior applicat	tion No:	<u></u>	
Prior and	olication information: Examiner			up / Art Unit:		
For CONTINU	ATION or DIVISIONAL APPS only: Th	e entire disclosure of the	e prior application, fr	om which an o	ath or declaration is supplied	d
under Box 4b	is considered a part of the disclosur	e of the accompanying	continuation or divisi	ional application	on and is hereby incorporated	d by
reference. Th	ne incorporation can only be relied up	on when a portion has b	een inadvertently on	nitted from the	submitted application parts.	
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see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).

NOTE FOR ITEMS 1 & 13: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY

FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.28).

J. Michael Pitale 24 Shannon Court Medford, NJ 08055 February 22, 2000

Assistant Commissioner For Patents Washington, DC 20231

Dear Examiner,

The following is a listing of the enclosed documents pertaining to the computer procedure/program entitled ATM/ALERT:

A - Title, description and background - Cover Page plus 3 pages

B - Schematic diagram/flowchart - One page C - Paper copy of program in Assembler language - 3 pages

D - Paper copy of program in COBOL language - 3 pages

E - Actual computer listing Assembler language - 6 pages

E - Actual computer listing Assembler language
F - Actual computer listing COBOL language
G - Microfiche listing of 'E' above
- 6 pages
- 10 pages
- One sheet

G - Microfiche listing of 'E' above - One sheet
H - Microfiche listing of 'F' above - One sheet

I hope this information will help in the review process.

Also I am a senior citizen on disability who has to minimize costs, so I am filing this without an attorney. If there are any omissions or corrections, please advise and I will immediately respond.

Sincerely,

J. Michael Pitale

Phone - (609) 654-4583 Fax - (609) 714-0868

ATM/ALERT"



Computer Security Protection

For Responsive Action To

ATM Transactions And

Other Security Accesses

Made Under Duress

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ATM/ALERT

pg 1 of 3

INTRODUCTION

ATM/ALERT procedure was first developed for the security access of ATM transactions which only used PIN numbers as the form of identification. Subsequent enhancements to ATM/ALERT have made it effective for many different types of identification now in operation other than just PIN numbers. Iris Scans, Thumb Prints, Facial Scans and other methods of identification are now available along with PIN numbers.

FUNCTIONS

ATM/ALERT has two functions which are as follows:

- To recognize a valid identification which will then allow the requested action of an ATM transaction, access to a secured area, etc.

and/or

- To recognize an 'alert' signal issued by the user who is under duress which will then activate security measures such as a silent alarm or whatever is deemed appropriate action. In some circumstances, the requested function could still be allowed to prevent a warning that the alarm has been activated.

METHODOLOGY

The methodology requires two types of ID's with one a valid identification and the other for alert indication. These two ID's may be any two methods not necessarily the same. For example, a valid ID might be an IRIS Scan that could be combined with the alert signal generated by the entering of an alert PIN and so forth.

Depending on the method of providing identification, the first encounter with the identification might be sufficient to provide a valid status....or an alert condition. For example, if two PIN numbers are used, one for valid status and the other for alert status, the first-time entry of a PIN number would be sufficient to determine if this is a valid entry or the alert entry and the second entry would not be needed..

However, perhaps the first-time entry of another method of identification, such as an Iris scan, might not by itself have enough ability to signal a valid/alert condition. A subsequent entry of another identification such as a PIN number might also be required to signal the status. A valid Iris scan combined with a valid PIN number would grant the requested action, while a valid Iris scan combined with an alert PIN number would signal the alert status. Therefore, in certain combinations of providing identification, an 'second ID required' indication would be part of the ATM/ALERT procedure.





ATM/ALERT has been coded in two main-frame languages, COBOL and Assembler. However, it is easily translated into any other media including coding for the P/C environment.

The methodology of ATM/ALERT is to perform 'traffic control' for most of the already in-place computer activity. It goes back and forth with functions such acquiring the identification and checking for valid/alert status by the established software Then the valid/alert status indication is passed from the established software back to ATM/ALERT which will make the determination of returning control to the established function to allow the requested action or notifying the established software to activate the appropriate alert action. ATM/ALERT 'traffic control' functions could also be incorporated directly into the already established software coding with little effort.

Selection of type of identification, appropriate actions and so forth are the choice of the user company/network and may even vary from user to user.

EXAMPLES

- #1 A PIN number is used for the first-time identification. It would be checked against two PIN numbers, one valid and the other an alert signal to determine status. If a valid number, the requested action is performed. If it is the alert number, perform the alert action. In this situation, only the first-time entry of identification would be needed..
- #2 An Iris Scan is used as the first ID. If there is the possibility of being able to use both the left and the right eye for different Iris scans, then the right eye could be used for first-time proper validation or the left eye used for the alert signal or vice versa. In this case, both the valid and the alert signals could be identified by the same method of the Iris Scan. In this situation, similar to example #1, only the first-time entry of identification would be needed..
- #3 If an Iris Scan is used for first-time identification (either eye) as validation and there is not the possibility of using both eyes as in the example #2 above, then the second-time entering of another type for valid/alert such as a PIN number which would be additional validation...OR would be the alert signal. This example shows the use of two different methods, an Iris Scan and a PIN number, for the valid/alert signal combination. In this situation, an indicator would be in the user profile to signal that a second-time entry is also required.
- #4 Indication of a requirement for the need for a second ID might also be appropriate when a facial scan is used for first-time identification. In this situation, a second-time identification entry would be required. The second could be entering of a valid/alert PIN number or thumb print (right for valid, left for alert, or vice versa).

RECAP

The above examples show just some of how the same and/or different methods would be used for each validation. The various combinations for control of the access would be the choice of the particular installation, network or company and would be stored with the user's profile. And there could be different combinations for the various users within the same installation, network, etc..

This methodology is applicable for ATM transactions, controlled access to secured areas, validation of computer logons, and all other activities that require a security access with the option of signalling an alert.

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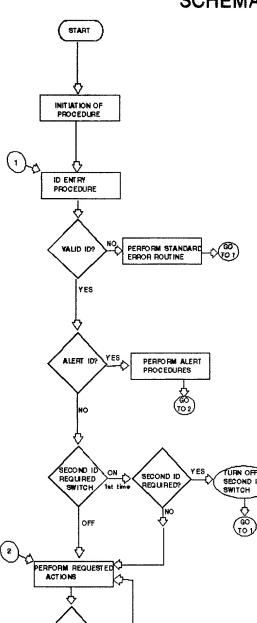


ATM/ALERT™

pg 1 of 1

SCHEMATIC

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NOTHER

(NO

PERFORM NORMAL CLOSING ROUTINE

STOP

Initiated by : Insertion of ATM card
Pressing a 'start' button/key
Approach an 'entry' zone....etc.

ID entered by 'PIN' number, IRIS scan, thumb print...etc

Valid ID? Recognizable as belonging to an individual? Both 'good' ID or 'alert' must pass this test..or re-enter ID

ALERT ID signals the performance of the alarm procedures..probable silent. Then the normal procedures must be performed to give appearance of 'normal' conditions.

Second ID check switch is 'ON' at first and second ID switch requied is indicated in user profile. If needed, switch is turned 'off' to allow for further check and additional ID entry is requested.

Perform requested action..ATM transaction, Security door entry, etc.

In some types of requested actions, a second request is valid...Such as another ATM transaction, etc.

Perform associated closing actions such as an audit log recording, security log entry, etc.

ATMALERT CSECT

pg 1 of 3



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ATM/ALERT IS A PROCEDURE THAT HAS TWO FUNCTIONS:

1 - TO RECOGNIZE A VALID IDENTIFICATION WHICH WILL
ALLOW THE REQUESTED ACTION SUCH AS AN ATM
TRANSACTION OR ACCESS TO A SECURITY AREA
AND/OR

2 - TO RECOGNIZE AN 'ALERT' SIGNAL ISSUSED BY THE USER WHO IS UNDER DURESS. THIS WILL THEN ACTIVATE SECURITY MEASURES SUCH AS A SILENT ALARM OR OTHER APPROPRIATE MEASURES. THE REQUESTED ACTION COULD ALSO BE ALLOWED TO PREVENT A WARNING THAT THE ALARM HAS BEEN ACTIVATED.

* NOTE - THE ROUTINE 'READ-CUSTOMER-CARD' IS EXECUTED IN THE STANDARD ATM PROGRAM AND THEN CONTROL IS PASSED TO THIS MODULE.

RETURNR EQU 9 SAVE (14,12) BALR 12,0 USING *,12

BACKCHN LA 5,SAVREG ST 13,4(5) ST 5,8(13)

LR 13,5

NOTE - THIS CHECKIN PROCEDURE IS EXECUTED IN THE STANDARD PROCESSING PROGRAM ALREADY IN USE.
THE ONLY CHANGES ARE TO PLACE A STATUS INDICATION IN THE HOLD FIELD(PINID) AND AN INDICATIOR TO INDICATE IF A SECOND ID IS REQUIRED.

LA 1,PINID LA 15,PINRTN EXTERNAL REFERENCE BALR 14,15

CLC PINID,=C'AOKAY' BE DOREQST

CLC PINID,=C'ERROR'

SECID DS

CL1'X'

```
BE ERRORTN
                                         pg 2 of 3
     CLC PINID,=C'ALERT'
     BE ALERTN
CKSECID CLC SECID,=C' '
    BE DOREQST
       STANDARD ERROR ROUTINE
ERRORTN LA
              15,STDERR EXTERNAL REFERENCE
    BALR 14,15
       DO THE STANDARD REQUEST
DOREQST MVC REQIND,=C' '
    LA 1,REQIND
    LA 15,DOREQ
                  EXTERNAL REFERENCE
    BALR 14,15
    CLC REQIND,=C'MORE'
    BE
         DOREQST
****
        LM 13,4(13),12 RETRUN DOES THIS <----
FINAL
       RETURN (14,12),RC=0
          ATM ALERT ROUTINES
ALERTN LA 15,PICRTN ..... PICTURE RTN - EXTERNAL REFERENCE
     BALR 14,15
     LA 15, ALARMRTN ... ALARM RTN-EXTERNAL REFERENCE
     BALR 14,15
     В
          DOREQST
 CONSTANTS AND SAVE AREAS
SAVREG DS 18F
REQIND DC CL5''
PINID DS
          CL5''
```

PINRTN DC V(PINRTNX)
PICRTN DC V(PICRTNX)
STDERR DC V(STDERRX)
DOREQ DC V(DOREQX)
ALARMRTN DC V(ALARMX)
END

pg 3 of 3

ID DIVISION.
PROGRAM-ID. ATMALERT.

pg 1 of 3

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- * REMARKS.
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- ATM/ALERT IS A PROCEDURE THAT HAS TWO FUNCTIONS:
- 1 TO RECOGNIZE A VALID IDENTIFICATION WHICH WILL
- * ALLOW THE REQUESTED ACTION SUCH AS AN ATM
- * TRANSACTION OR ACCESS TO A SECURITY AREA
- AND/OR
- * 2 TO RECOGNIZE AN 'ALERT' SIGNAL ISSUED BY THE USER
- * WHO IS UNDER DURESS. THIS WILL THEN ACTIVATE
- SECURITY MEASURES SUCH AS A SILENT ALARM OR OTHER
- * APPROPRIATE ACTION. THE REQUESTED ACTION COULD
- ALSO BE ALLOWED TO PREVENT A WARNING THAT THE
- * ALARM HAS BEEN ACTIVATED.
- * NOTE THIS IS AN EXAMPLE OF MOST OF THE ACTIVITY BEING
- INITIATED BY THIS ALERT PROGRAM AND BEING
- * PERFORMED IN THE STANDARD ACCESS PROCESSING
- PROGRAM.
 - CONVERSELY, MOST OF THE ACTIVITY CAN BE PERFORMED IN
- THE STANDARD PROCESSING PROGRAM AND THE ALERT
- PROCEDURES CAN BE INCORPORTED INTO THE STANDARD
- * PROGRAM. EITHER WAY, THERE IS VERY LITTLE
- RE-PROGRAMING REQUIRED.

ENVIRONMENT DIVISION.

DATA DIVISION.

WORKING-STORAGE SECTION.

- 01 ID-CODE.
 - 02 ID-CODE-HOLD PIC XXXXX VALUE SPACES.
 - 02 SECOND-ID-REQ-IND PIC X VALUE SPACE.
- 01 REQUEST-INDICATOR.
 - 02 REQUEST-INDICATOR-HOLD PIC XXXX VALUE SPACES.
- 01 SECOND-ID-REQ-SW PIC X VALUE 'X'. PROCEDURE DIVISION.

INITIATION-PROCEDURE.

NOTE - THIS PROCEDURE EXECUTED IN THE STANDARD

pg 2 of 3

PROCESSING PROGRAM ALREADY IN USE. THUS, THERE
IS NO MAJOR CHANGE TO THE EXISTING CODE AT THIS
CONTROL, CAN BE THEN BE PASSED TO THIS MODULE

* ALSO, AFTER EACH 'CALL' (PASSING CONTROL) TO THE
* STANDARD PROGRAM FROM THIS MODULE, CONTROL IS
* RETURNED TO THIS MODULE AFTER THE ROUTINE IS
* COMPLETED IN THE STANDARD PROGRAM.

ID-ENTRY-PROCEDURE.

CALL 'IDVALID' USING ID-CODE-HOLD.

* NOTE - THIS CHECKING PROCEDURE IS EXECUTED IN THE STANDART

PROCESSING PROGRAM ALREADY IN USE.

* THE ONLY CHANGES ARE TO PLACE A STATUS INDICATION IN THE HOLD FIELD(ID-CODE) AND AN INDICATOR TO INDICATE

IF A SECOND ID IS REQUIRED.

INDICATION ACTION

AOKAY HONOR THE CUSTOMERS REQUEST

ERROR ID ERROR - ENTER ID AGAIN

ALERT ACTIVATE THE ATM/ALERT ROUTINE

??? NO TECOGNIZED - ENTER ID AGAIN

IF ID-CODE-HOLD IS EQUAL TO 'AOKAY', GO TO CHECK-SECOND-ID.

IF ID-CODE-HOLD IS EQUAL TO 'ERROR', CALL 'STANDARD-ERROR-ROUTINE'.

IF ID-CODE-HOLD IS EQUAL TO 'ALERT',
GO TO ATM-ALERT-ROUTINE.
CHECK-SECOND-ID.
IF SECOND-ID-REQ-SW IS EQUAL TO SPACE
GO TO PERFORM-REQUESTED-ACTION.

MOVE SPACE TO SECOND-ID-REQ-SW. GO TO ID-ENTRY-PROCEDURE.

PERFORM-REQUESTED-ACTION.

CALL 'REQACT' USING REQUEST-INDICATOR.

NOTE - THIS CHECKING PROCEDURE IS EXECUTED IN THE STANDARD

* PROCESSING PROGRAM ALREADY IN USE.

*

pg	3	of	3
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THE ONLY CHANGE IS TO PLACEA STATUS INDICATION IN

THE HOLD FIELD(REQUEST-INDICATOR) FOR FURTHER

CHECKING.

INDICATION ACTION

MORE CUSTOMER HAS ANOTHER REQUEST

NONE CUSTOMER IS DONE - END PROGRAM

IF REQUEST-INDICATOR-HOLD IS EQUAL TO 'MORE', GO TO PERFORM-REQUESTED-ACTION ELSE

CALL 'NORCLS'.

STOP RUN.

NOTE - THE ALERT ROUTINE PERFORMS SECURITY REOCEDURES

AND THEN CONTINUES ON WITH NORMAL PROCESSING SO AS

NOT TO WARN OF THE ALERT PROCEDURES.

ATM-ALERT-ROUTINE.

CALL 'TAKEPIC'.

NOTE - THIS IS OPTIONAL AND CAN BE REMOVED. MANY

PROCEDURES ALREADY HAVE THE PICTURE TAKING

PROCESS IN PLACE. NO ADDITIONAL CODING REQUIRED

CALL 'SECALRM'.

NOTE - THE SECURITY ALERT IS MOSTLY A PHYSICAL

TELEPHONE LINE TYPE CONNECTION.

GO TO PERFORM-REQUESTED-ACTION.

NOTE - BACK TO NORMAL TYPE PROCESSING SO AS NOT

* TO ENDANGER THE CUSTOMER.

PTO/SB/01 (12-97)

Approved for use through 9/30/00. OMB 0651-0032

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I believe I am the original,	first and sole inventor (if on	ly one name is listed below) claimed and for which a pat	or an original, fi	rst and joint inve	ntor (if plural
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the specification of which	TTE	le of the Invention)			
is attached hereto	•				
was filed on (MM/D	D/YYYY)	as United	d States Applicat	tion Number or F	CT International
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Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Co	py Attached? NO
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Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:					
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I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filling date of the prior application and the national or PCT international filling date of this application.							
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